REV.	BRIEF DESCRIPTION OF CHANGE	ECO	DATE	BY	APPR.

SEE SHEET 13

J21 9 OLD Q-TRG
J21 16 NEW Q-TRG
SH 9, 10 10VREF
SH 2 EXT2
SH 5 INT31
SH 4, 10 INT9 EXT LAMP TRIG
J21 35, J21 36, J21 15, J21 17 GND
SH 4 EXT LAMP
SH 1 INT1 EXT LAMP
SH 1, 9 INT2 VAR LAMP
SH 1 INT3 FIXED LAMP
SH 9,10 SLOW RAMP
SH 10 CX02
SH 10 CX01
SH 5 INT33 INK
SH 2, 11 ACDRPOUT PLS
SH 2 EXT4 PFN

U28 CD40106 U78 CD4049
U65 CD4042 U66 CD4086 U67 CD4020
U51 LM339AN ×4
U53 CD4028 U69 CD4072
U23 CD4098 ×3
U8 CD4098 ×3
U9 CD4027
U41 CD4071 ×4
U25 CD4049 ×5
U72 MC14541
U64 CD4093 ×3
U7 CD4098
U55 CD4049
U1 LM339AN ×4
U4 LM339AN ×2

S3 VAR REP: 100, 50,30, 20,15, 10, 5,7.5, UNUSED, 1, UNUSED

CR31 1N914, CR28 1N914, CR29 1N914
R145 20K, R141 20K, R142 20K
R66 4.75K, R67 40.2K, R68 20K, R221 40.2K
R74 10K, R29 330K, R165 47.5K, R185 49.9K, R186 100K
R276 100, R108 10K, R72 20K, R30 15K, R109 560
C116 .01, C114 .01, C113 .01, C143 .01, C144 .01, C91 0.1, C121 0.1, C151 0.1, C126 0.1, C152 .022, C21 0.1, C20 .001 MF, C56 100PF, C58 .001, C57 0.1, C17 0.1, C16 0.1, C19 0.1, C18 0.1
Q19 2N3904

HI = ENABLE

QDLY SH 10
INT35 SH 4
SCR SH 5
INT39 SH 4
INT32 SH 5
INT37 SH 4
SOURCE FAULT LED J2 26, SH 7
INT36 SH 5,7,9
INT10 SH 1,5
100 _TRG J21 8
J21 5

TP31 INT33 INK
TP30 ACDRPOUT PLS
TP32 EXT4 PFN

P-CAD 5.1
FILE:MAIN3.SCH

QTY	ITEM	PART NUMBER	DESCRIPTION

	NAME	DATE
DFTS.	B.PATRICK	1/97
CHK.		
ENG.	S.LAWRENCE	1/97
MFG.		
MODEL	NEXT ASSY.	
FINISH:		

Spectra-Physics
MOUNTAIN VIEW CA 94042
TOLERANCES, UNLESS OTHERWISE SPECIFIED: .X ± mm: ± .XX ± ANGLES: ± .XXX ± SURF.FIN: ✓
CONFIDENTIAL: SPECTRA-PHYSICS PROPRIETARY
GENERAL TOLERANCES PER S-P DOCUMENT NO. C-5124

SCHEMATIC
MAIN CONTROL P.C.B.

SCALE	SIZE	DRAWING NUMBER	SHEET	REV.
NONE	D	0452-9680	3 OF 13	1

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